OpenShift

It is 75% all about Kubernetes, it adds some functionality on top of Kubernetes

Developer --- has a index.php file, and wants to deploy it on Kubernetes

Using Kubernetes

1. Need to create a Containerfile.
2. Creating an Image from that Containerfile.
3. Then, upload that image to any Registry Server.
4. Needs to create a Deployment ---- RC/RS ---- Pod Creation.
5. Setup Routing.
6. Enjoy the Application.

CaaS
(Container as a Service)

Using OpenShift

1. Creating a Containerfile.
2. We can handover this Containerfile to OpenShift.
3. OpenShift will automatically create an Container Image.
4. OpenShift will automatically push it to a Registry Server.
5. OpenShift will automatically Create the Deployment ---- RC/RS ---- Pods.
6. OpenShift will automatically setup Routing.
7. Enjoy the Application.

PaaS
(Platform as a Service)

1. Post that complete website data onto GitHub Repository.
2. Handover the GitHub Repository link to OpenShift.
3. OpenShift will read and understand and analyze (index.php)
4. OpenShift will implement a builder image of PHP.
5. Using the Builder Image OpenShift will create a Containerfile.
6. OpenShift will automatically create an Container Image.
7. OpenShift will automatically push it to a Registry Server.
8. OpenShift will automatically Create the Deployment ---- RC/RS ---- Pods.
9. OpenShift will automatically setup Routing.
10. Enjoy the Application.

s2i
(Source to Image)